

AMENDMENTS IN THE CLAIMS

1. (Currently Amended) An apparatus for generating transmission local oscillation signals and reception local oscillation signals in a mobile terminal, comprising:

a first phase locked loop (PLL) block configured to generate a transmission local oscillation signal;

a radio transmitter portion for receiving the transmission local oscillation signal;

a second PLL block for generating a reception local oscillation signal;

a radio reception portion for receiving the reception local oscillation signal; and

a controller configured to control the first PLL block to operate before a minimum time period required for the first PLL block to lock up from the start point of a transmission burst period, and to control the second PLL block to operate before a minimum time period required for the second PLL block to lock up from the start point of a reception burst period, to control the radio transmitter portion to operate only during a transmission burst period and to control the radio reception portion to operate only during a reception burst period.

2. (Currently Amended) An apparatus for generating a transmission local oscillation signal and a reception local oscillation signal in a mobile terminal, comprising:

a first PLL block configured to generate the transmission local oscillation signal;

a radio transmitter portion for receiving the transmission local oscillation signal;

a second PLL block configured to generate the reception local oscillation signal;

a radio reception portion for receiving the reception local oscillation signal; and

a controller for controlling the first PLL block to operate before an end point of a reception burst period, for and controlling the second PLL block to operate before an end point

of a transmission burst period, for controlling the radio transmitter portion to operate only during a transmission burst period and for controlling the radio reception portion to operate only during a reception burst period.

3. (Currently Amended) A method of generating a transmission local oscillation signal and a reception local oscillation signal in a mobile terminal having a first PLL block for generating the transmission local oscillation signal and a second PLL block for generating the reception local oscillation signal, comprising:

controlling the first PLL block to operate before a minimum time period required for the first PLL block to lock up from the start point of a transmission burst period; and

controlling a radio transmitter portion to operate only during a transmission burst period;

controlling the second PLL block to operate before a minimum time period required for the second PLL block to lock up from the start point of a reception burst period; and

controlling a radio reception portion to operate only during a reception burst period.

4. (Previously Presented) The method of claim 3, further comprising:

applying the reception local oscillation signal generated from the second PLL block to a radio receiver for the reception burst period; and

applying the transmission local oscillation signal generated from the first PLL block to the radio transmitter for the transmission burst period.

5. (Currently Amended) A method of generating a transmission local oscillation signal

and a reception local oscillation signal in a mobile terminal having a first PLL block for generating the transmission local oscillation signal and a second PLL block for generating the reception local oscillation signal, the method comprising:

controlling the first PLL block to operate before the end point of a reception burst period;

controlling a radio transmitter portion to operate only during a transmission burst period; and

controlling the second PLL block to operate before the end point of a transmission burst period; and

controlling a radio reception portion to operate only during a reception burst period.

6. (Previously Presented) The method of claim 5, further comprising:

applying the reception local oscillation signal generated from the second PLL block to a radio receiver for the reception burst period; and

applying the transmission local oscillation signal generated from the first PLL block to a radio transmitter for the transmission burst period.